

BRUHAT BANGALORE MAHANAGARA PALIKE
Name of the work: Development of green space & Parks to Vinfield Layout Main road Park Ward-5 Jakkur (Yelahanka Zone)

Bill of Quantities

Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
A)	CIVIL WORKS:				
1	Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of servicable materials within a lead of 100 metres from road boundary, labour charges complete as per specifications, as directed by the engineer incharge of the work.	sqm	6997.22	6.67	six rupees and sixty seven paisa only
2	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods specifications, as directed by the engineer incharge of the work. for compound gate and gazebo (3.5MX3.5M and 6.5mx6.5m) & rainwater harvesting structure	cum	479.18	210.26	two hundred and ten rupees and twenty six paisa only
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. As directed by the engineer incharge of the work. for compound gate and gazebo (3.5MX3.5M and 6.5mx6.5m) & rainwater harvesting structure.	cum	80.19	5414.39	five thousand four hundred and fourteen rupees and thirty nine paisa only
4	Providing and constructing granite/ trap /basalt size stone masonry in foundation with Cement mortar 1:6, including cost of materials, labour, curing complete as per specifications. As directed by the engineer incharge of the work	cum	139.56	4657.91	four thousand six hundred and fifty seven rupees and ninety one paisa only
5	Providing and constructing granite/ trap /basalt size stone masonry in basement with cement mortar 1:6, edges of stones chiselled dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. As directed by the engineer incharge of the work. for compound gate and gazebo (3.5MX3.5M)	cum	68.14	5567.91	five thousand five hundred and sixty seven rupees and ninety one paisa only
6	Providing flus pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. As directed by the engineer incharge of the work	sqm	206.76	107.91	one hundred and seven rupees and ninety one paisa only

(Signature)
Chief Engineer, Bangalore Mahanagara Palike

Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
7	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320 kgs, with 20mm and down size graded granite metalcoarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. As directed by the engineer incharge of the work, for open stage and gazebo 3.5mx3.5mand 6.5mx6.5m&rain water harvesting structure	cum	29.04	6687.06	six thousand six hundred and eighty seven rupees and six paise only
8	Providing T.M.T Steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lappingand/or welding where ever required, tying with binding wire and anchoring to the adjoining members where ever nessassary complete as per design (laps and wastage shall not be measured and paid) cost of material,labour HOM of machinery complete as per specifications. As directed by the engineer incharge of the work,for gates &rain water harvesting structure	Tonne	1.86	62353.94	sixty two thousand three hundred and fifty three rupees and ninety four paise only
9	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. As directed by the engineer incharge of the work	sgm	14.40	201.36	two hundred and one rupees and thirty six paise only
10	Fencing with welded steel wire fabric 75mmx50mm. Providing 1.2m height fencing with angle iron post 50mmx50mmx6mm at 3.0m c/c with 0.4m embeded in M15 grade cement concrete, corner, end and every 10th post studded, provided with welded steel wire fabric of 75mm x50mm mesh or 75mmx25mm mesh and fixed toiron posts by flat iron 50x5mm and bolts etc complete in a over compound walls as per using 16mmx16mm MS square rod @ 150mm c/c spacing and 6mmx40mm M.S. @ horizontal and 6mm x12mm M.S flat for ornamental design and providing shop edge design at the vertex of every verticle rods, including welding, grinding ll respects as per specifications, As directed by the engineer incharge of the work	meter	235.02	556.24	five hundred and fifty six rupees and twenty four paise only
11	Providing & fixing MS grill over existing compound wall as per using 16 mm x 16 mm MS square rod at 150 mm c/c spacing and 6 mm x 40 mm MS flats at horizontal and 6 mm x 12 mm MS flat for ornamental design & providing sharp edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust & painted with anticorrosive paint (shop paint) etc. complete. The work includes cost of all materials, labour charges for all items of work, hire charges for building, cutting & grinding, equipment & electricity charges etc. complete as per specifications. As directed by the engineer incharge of the work	sgm	220.00	5811.54	five thousand eight hundred and eleven rupees and fifty four paise only


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Description

Item Code

Unit

Approved Quantity

Approved Rate in Figures (in Rs.)

Rate in Words (in Rupees)

20	Providing, laying, spreading and compacting crushed stone aggregates of granite/ trap/ basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to the site, laying in uniform layers with paver in sub-base/course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. As directed by the engineer incharge of the work	cum	275.00	1855.60	one thousand eight hundred and fifty five rupees and sixty paise only
21	Providing & laying heavy duty cobble stones 60 mm thick interlocked pavers, using cement & coarse sand for manufacture of blocks of approved size, shape & colour with a minimum compressive strength of 281 Kg/sqm over 50 mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints in to its final level, including cost of materials, labour and HOM of machineries complete as per specifications. As directed by the engineer incharge of the work	sqm	1280.00	1014.57	one thousand fourteen rupees and fifty seven paise only
22	Providing and fixing pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete size 450 x 200 x 400 mm	Nos	2811.00	404.94	four hundred and four rupees and ninety four paise only
23	supplying & fixing of Rain bow climber: All round and rectangular pipes are GI or CR, ISI make. Gauge 14 gauge, 2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy, (branded). FRP thickness-4.5mm, swing assembly 6mm chain with rubber coating, as directed by the engineer incharge of the work.	Each	3.00	12808.10	twelve thousand eight hundred and eight rupees and ten paise only
24	supplying & fixing of sea saw double: All round and rectangular pipes are GI or CR, ISI make. Gauge 14 gauge, 2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy, (branded). FRP thickness-4.5mm, swing assembly 6mm chain with rubber coating, as per sketch and engineer incharge of the work	Each	8.00	14820.51	fourteen thousand eight hundred and twenty rupees and fifty one paise only
25	supplying & fixing of Arch swing two seater: All round and rectangular pipes are GI or CR, ISI make. Gauge 14 gauge, 2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy, (branded). FRP thickness-4.5mm, swing assembly 6mm chain with rubber coating, as per sketch and engineer incharge of the work	Each	6.00	33737.23	thirty three thousand seven hundred and thirty seven rupees and twenty three paise only
26	supplying and fixing FRP Rabbit dust bins As directed by the engineer incharge of the work & As per drawings.	Each	26.00	5572.85	five thousand five hundred and seventy two rupees and eighty five paise only
27	supplying & fixing of Two way slide: All round and rectangular pipes are GI or CR, ISI make. Gauge 14 gauge, 2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy, (branded). FRP thickness-4.5mm, swing assembly 6mm chain with rubber coating, per drawing and specifications and as directed by the engineer incharge of the work.	Each	7.00	55471.32	fifty five thousand four hundred and seventy one rupees and thirty two paise only
28	supplying & fixing of Standing mary go round: All round and rectangular pipes are GI or CR, ISI make. Gauge 14 gauge, 2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy, (branded). FRP thickness-4.5mm, swing assembly 6mm chain with rubber coating, as per sketch and engineer incharge of the work	Each	4.00	25687.56	twenty five thousand six hundred and eighty seven rupees and fifty six paise only
29	supplying & fixing of Duck mary go round: All round and rectangular pipes are GI or CR, ISI make. Gauge 14 gauge, 2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy, (branded). FRP thickness-4.5mm, swing assembly 6mm chain with rubber coating, as per sketch and engineer incharge of the work	Each	4.00	25285.08	twenty five thousand two hundred and eighty five rupees and eight paise only

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Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
30	supplying and fixing FRP Ct-STRIP Benches As directed by the engineer incharge of the work &As per drawings.	Each	35.00	14860.92	fourteen thousand eight hundred and sixty rupees and ninety two paisa only
31	Providing and filling sand in Kids play area and open gym area with all leads and lift complete as per specification.As directed by the engineer incharge of the work.	cum	219.00	2375.12	two thousand three hundred and seventy five rupees and twelve paisa only
32	supply and fixing of HD Health Walker Metal::All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burrs.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to speed up corrosion for 3000hrs. rubber high quality grip rubber is used for the handles bearings . maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .safey: all products must be tested and certified to meet EN16630 safey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agency such as IPEMA,TUV,CPSC,or SGS only .the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 safey certificates.all product must carry a GS mark on it. size(LxWxH) 2015x615x1360mm , weight:93kg , safey area:5015x3015mm capacity 2persons.As per sketch and Engineer incharge of the work.	Each	2.00	131817.20	one lakh thirty one thousand eight hundred and seventeen rupees and twenty paisa only
33	supply and fixing of HD Squat pushing Metal::All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burrs.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to speed up corrosion for 3000hrs. rubber high quality grip rubber is used for the handles bearings . maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .safey: all products must be tested and certified to meet EN16630 safey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agency such as IPEMA,TUV,CPSC,or SGS only .the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 safey certificates.all product must carry a GS mark on it. size(LxWxH) 2270x635x1640mm , weight:60.2kg , safey area:5300x3685mm capacity 2persons. as per the sketch and as per the Engineer incharge of the	Each	2.00	185551.60	one lakh eighty five thousand five hundred and fifty one rupees and sixty paisa only

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For the purpose of the work, the following items are required to be supplied by the contractor and the same to be included in the bill of materials.

Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
34	Supply & Fixing of Double Ski Walker Metal: All tubular steel of 2.5MM thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG Process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer paint is applied at all the welding points prior to dimishing. All metal parts are powder coated using AKZO nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 Hrs. Rubber: High quality grip rubber is used for the hadles. Bearings: Maintenance free ball bearings. Scope of Delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC or SGS only. The GS Mark EN16630 Certificates must be in the name of tendering party and not any 3rd Party. All products must clearly display the GS Mark as has been issued in the EN 16630 safety certificates. Size_LxWxH: 1065 x 615 x 1364 mm. Weight: 51 KG Safety Area: 4090 x 3555 mm, Capacity 1 Person. As per sketch and as per Engineer incharge of the work.	Each	2.00	205702.00	two lakhs five thousand seven hundred and two rupees only
35	Supply and fixing of HD Stiuip Station Metal: All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approved MIG process .all welds are dressed off removing all sharp edges burrs .zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikhg quality grip rubber is used for the handles bearings . maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agency such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1412x1366x650mm , weight:42.6kg , saftey area:4462x4078mm capacity 2 persons.As per sketch and as directed by the Engineer	Each	2.00	151967.60	one lakh fifty one thousand nine hundred and sixty seven rupees and sixty paisa only


 Engineer in Charge,
 K. S. Srinivasan,
 K. S. Srinivasan,
 K. S. Srinivasan

Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
36	supply and fixing pull down challenger metal- All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approved MIG process. all welds are dressed off removing all sharp edges burrs. zinc primer paints applied at all the welding points prior to finishing. all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber high quality grip rubber is used for the handles bearings. maintenance -free ball bearings. scope of delivery 1 completely pressed assembled equipment modules. maintenance: maintain according to EN 16630 and maintenance guide. safety: all products must be tested and certified to meet EN16630 safety standards with GS test Mark. The EN16630 certificates must be issued by areputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party. all products must clearly display the GS mark as has been issued in the EN16630 safety certificates. all product must carry a GS mark on it. size(LxWxH) 2570x805x20582685mm, weight:85.4kg, safety area:6287x4858mm capacity 2 persons. As per sketch and as directed by the Engineer incharge of the work.	Each	2.00	225852.40	two lakhs twenty five thousand eight hundred and fifty two rupees and forty paise only
37	incharge of the work. supply and fixing of seated chest press metal- All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approved MIG process. all welds are dressed off removing all sharp edges burrs. zinc primer paints applied at all the welding points prior to finishing. all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber high quality grip rubber is used for the handles bearings. maintenance -free ball bearings. scope of delivery 1 completely pressed assembled equipment modules. maintenance: maintain according to EN 16630 and maintenance guide. safety: all products must be tested and certified to meet EN16630 safety standards with GS test Mark. The EN16630 certificates must be issued by areputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party. all products must clearly display the GS mark as has been issued in the EN16630 safety certificates. all product must carry a GS mark on it. size(LxWxH) 1955x733x2058mm, weight:86.6kg, safety area:5545x4470mm capacity 2 persons. As per sketch and as directed by the Engineer incharge of the work.	Each	2.00	239286.00	two lakhs thirty nine thousand two hundred and eighty six rupees only

28/11/20

Accepted
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Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
38	supplying & fixing of Tai Chi Spinners Metal: All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approved MIG process. all welds are dressed off removing all sharp edges burrs. zinc primer paints applied at all the welding points prior to finishing. all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to speed up corrosion for 3000hrs. rubber high quality grip rubber is used for the handles bearings. maintenance -free ball bearings. scope of delivery 1 completely pressed assembled equipment modules. maintenance: maintain according to EN 16630 and maintenance guide. safety: all products must be tested and certified to meet EN16630 safety standards with GS test Mark. The EN16630 certificates must be issued by areputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party. all products must clearly display the GS mark as has been issued in the EN16630 safety certificates all product must carry a GS mark on it. size(LxWxH) 1120x1150x1620mm, weight: 39kg, safety area: 3520x3550mm capacity 3persons. As per sketch and as directed by the Engineer incharge of the work.	Each	2.00	131817.20	one lakh thirty one thousand eight hundred and seventeen rupees and twenty paise only
39	Supply and fixing of HD Waist Twister Meatl: All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approved MIG process. all welds are dressed off removing all sharp edges burrs. zinc primer paints applied at all the welding points prior to finishing. all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to speed up corrosion for 3000hrs. rubber high quality grip rubber is used for the handles bearings. maintenance -free ball bearings. scope of delivery 1 completely pressed assembled equipment modules. maintenance: maintain according to EN 16630 and maintenance guide. safety: all products must be tested and certified to meet EN16630 safety standards with GS test Mark. The EN16630 certificates must be issued by areputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party. all products must clearly display the GS mark as has been issued in the EN16630 safety certificates all product must carry a GS mark on it. size(LxWxH) 1460x1310x1150mm, weight: 39.1kg, safety area: 43600x4510mm capacity 3persons. As per sketch and as directed by the Engineer incharge of the work.	Each	2.00	151967.60	one lakh fifty one thousand nine hundred and sixty seven rupees and sixty paise only

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Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
40	supply and fixing of Bicycle Metal: All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approved MIG process. all welds are dressed off removing all sharp edges burrs. zinc primer paints applied at all the welding points prior to finishing. all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%NaCl solution in accordance to ISO7227 to speed up corrosion for 3000hrs. rubber high quality grip rubber is used for the handles bearings. maintenance -free ball bearings. scope of delivery 1 completely pressed assembled equipment modules. maintenance: maintain according to EN 16630 and maintenance guide. safety: all products must be tested and certified to meet EN16630 safety standards with GS test Mark. The EN16630 certificates must be issued by areputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party. all products must clearly display the GS mark as has been issued in the EN16630 safety certificates. all product must carry a GS mark on it. size(LxWxH) 1000x498x1290mm, weight: 51.5kg, safety area: 3400x3498mm capacity 2 persons. As per sketch and as directed by the Engineer incharge of the	Each	2.00	151967.60	one lakh fifty one thousand nine hundred and sixty seven rupees and sixty paise only
41	Providing and fixing of ready made FRP toilet for the use of public utilizing the park as per drawing and as directed by the engineer incharge of the work.	Each	1.00	44582.76	forty four thousand five hundred and eighty two rupees and seventy six paise only
42	Geophysical investigation of site for sinking bore well for supply drinking water to the habitation either through the Hand Pump. MWS or PWSS by vertical electrical sounding by adopting Verner or schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing ground infecundity its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top in consolidated formation of proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped. Probable yield and other information required including transportation technical personal and labour etc, as directed by the engineer incharge of the work	Each	2.00	2167.22	two thousand one hundred and sixty seven rupees and twenty two paise only
43	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the work) 0.00 to 50.00 mts	Rmtr	100.00	330.78	three hundred and thirty rupees and seventy eight paise only
44	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the work) 50.00 to 100.00 mts	Rmtr	100.00	432.39	four hundred and thirty two rupees and thirty nine paise only

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Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
45	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, caps etc.,) As directed by the engineer incharge of the work) 100.00 to 150.00 mts	Rmtr	100.00	480.67	four hundred and eighty rupees and sixty seven paise only
46	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, caps etc.,) As directed by the engineer incharge of the work) 150.00 to 200.00 mts	Rmtr	100.00	508.06	five hundred and eight rupees and six paise only
47	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, caps etc.,) As directed by the engineer incharge of the work) 200.00 to 250.00 mts	Rmtr	100.00	588.06	five hundred and eighty eight rupees and six paise only
48	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, caps etc.,) As directed by the engineer incharge of the work) 250.00 mts & above	Rmtr	100.00	588.06	five hundred and eighty eight rupees and six paise only
49	Supply of ISI mark 175 mm nominal bore, plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick conforming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and conforming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded conforming to IS 554/1985, one end fixed with socket conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10Kg/mtr (inclusive of all taxes and duties). Prices including collar medium duty. As directed by the engineer incharge of the work a) Casing pipe, As directed by the engineer incharge of the work	rmtr	60.00	1390.59	one thousand three hundred and ninety rupees and fifty nine paise only
50	Supply of 175mm MS Cap. As directed by the engineer incharge of the work	Each	2.00	104.95	one hundred and four rupees and ninety five paise only
51	Supply of 175mm MS Collar. As directed by the engineer incharge of the work	Each	16.00	157.43	one hundred and fifty seven rupees and forty three paise only

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Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
52	Supply and delivery of submersible pump sets suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfying performance characteristics for pump and motor specified in BIS with ISI mark with a minimum efficiency of 42% pump shall conform to IS 8034/2002 and motor conforming to IS 9283/1995 with ISI Certification ,7.50 HP/9.3 KW Sub mersible pump set, As directed by the engineer incharge of the work	Each	2.00	56987.85	fifty six thousand nine hundred and eighty seven rupees and eighty five paise only
53	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper conductor conforming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and conforming to the attached GTP of Group A 3C x 6.0 Sq.mm, As directed by the engineer incharge of the work	meter	560.00	198.04	one hundred and ninety eight rupees and four paise only
54	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair of supporting clams, borewell cap, cable clips with bolts, nuts, valve gauges etc., involved in the job. (Necessary G.I.Pipe and specials will be supplied by the board at the site free of cost). As directed by the engineer incharge of the work	nos	2.00	1794.65	one thousand seven hundred and ninety four rupees and sixty five paise only
55	Providing and fixing in position 50mm Nominal bore non- return valve vertical type of approved make including cost of all materials, labour and HOM of equipment with all leads complete as per specification. As directed by the engineer incharge of the work	nos	2.00	1620.85	one thousand six hundred and twenty rupees and eighty five paise only
56	Supplying and fixing 50mm GI Union. As directed by the engineer incharge of the work	nos	4.00	234.77	two hundred and thirty four rupees and seventy seven paise only
57	Supplying and fixing 50mm GI Elbow. As directed by the engineer incharge of the work	nos	2.00	128.04	one hundred and twenty eight rupees and four paise only
58	Supplying and fixing 50mm GI Nipple. As directed by the engineer incharge of the work	nos	4.00	109.46	one hundred and nine rupees and forty six paise only
59	Supplying and fixing 50mm heavy duty GI Collars. As directed by the engineer incharge of the work	nos	92.00	104.95	one hundred and four rupees and ninety five paise only
60	LT Metering box with CTs and necessary wiring for housing ETV ,meter As directed by the engineer incharge of the work	nos	2.00	6677.97	six thousand six hundred and seventy seven rupees and ninety seven paise only
61	Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 50mm dia nominal bore with fittings (medium grade weight 1.27 Kg/mtr) B class including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications, as directed by the engineer incharge of the work.	Rmtr	540.00	488.52	four hundred and eighty eight rupees and fifty two paise only
62	Erection of combined panel board and meter unit with necessary materials & labour including providing cement concrete foundation bed concrete door type etc complete, as directed by the engineer incharge of the work.	nos	2.00	446.04	four hundred and forty six rupees and four paise only
63	Supplying of TPST with rewirable porcelain channels in SM encloser Made out of 14 SWG Powder coated paint of approved colour 32 amps Group A. as directed by the engineer incharge of the work.	nos	2.00	1960.47	one thousand nine hundred and sixty rupees and forty seven paise only
64	Supplying and fixing 20"x20"x2.5" polished wood board made up not less than 15cm thick plank with front plank one end provided for holding at other end fixing the same of the valve using through bolts and nuts, as directed by the engineer incharge of the work.	nos	2.00	316.95	three hundred and sixteen rupees and ninety five paise only

CPK

For the purpose of the work, the following materials are required to be supplied by the contractor.